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b	B1	WO 99 5864	49	11-18	-99	PCT					
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	B4	WO 00 172	33	03-30	-00	PCT					No
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b	C11	Hecht et al., "Studies on the nonmevalonate pathway to terpenes: the role of the GcpE (IspG) protein," <i>Proc. Natl. Acad. Sci. USA</i> , National Academy of Science, Washington, US, 98: 14837-14842, 2001.									
	C12	Quero et al., "Functional analysis of the Arabidopsis thaliana GCPE protein involved in plastid isoprenoid biosynthesis," FEBS Letters, Elsevier Science Publishers, 514:343-346, 2002.									
	C13	Database access July 2, 1999.	sion no.	AQ6906	43; XI	2002221177;	93% Ident	ity to	SEQ II	DN	o. 2, Abstract,
Database accession no. AB005246; XP0 abstract & Sato et al., "Structural analysi features of the 1.6 MB regions covered by Research, 4:215-230, 1997.						sis of arabid	opsis thalia	na c	hromoso	ome	5.I. Sequence

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	SERIAL NO.		
(Rev. 2.32) PATENT AND TRADEMARK OFFICE	REN1-00-084-US	09/921,992		
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INFORMATION DISCLOSURE	Boronat et al.			
STATEMENT BY APPLICANT	FILING DATE	GROUP		
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Sato et al., Database EMBL, Accession No.: AB005246 (18 Jul 97)

15	C01	Saluet al., Database LivibL, Accession No.: About240 (16 Jul 97)
Δ	C02 ·	Wing et al, Datebase EMBL, Accession No. AQ690643 (XP-002221177) (2 Jul 99)
b	C03	Baker et al., "Sequence and characterization of the gcpE gene of Escherichia coli", Fems Microbiology Letters. 94: 175-180 (1992)
b	C04	Hecht et al., "Studies of the nonmevalonate pathway to terpenes: The role of the GcpE (IspG) protein," PNAS vol 98, no.26 14837-14842, December 18, 2001.
	C05	Querol et al., "Functional Analysis od the Arabidopsis thaliana GCPE protein involved in plastid isoprenoid biosynthesis," FEBS Letters 514 (2002) 343-346.

^{*} References were previously cited by the Applicant or by the Examiner and thus copies of these references are not being resubmitted with this statement. Copies of the prior PTO-1449 and -892 forms are enclosed herein. See 37 C.F.R. §1.98(d).

Examiner Date Considered

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ATTY. DOCKET NO. APPLICATION NO. FEB 1 3 2002 16516.107 09/921,992 APPLICANTS FORM PTO-1 INFORMATION DISCLOSURE Albert BORONAT et al. FILING DATE GROUP August 6, 2001 1645 U.S. PATENT DOCUMENTS **EXAMINER** DOCUMENT SUB-INITIAL NUMBER DATE NAME **CLASS CLASS FILING DATE** AA1 AB1 AC1 AD1 AE1 FOREIGN PATENT DOCUMENTS **EXAMINER** DOCUMENT SUB-INITIAL NUMBER DATE COUNTRY CLASS **CLASS** TRANSLATION AF1 Yes No AG1 Yes No AH1 Yes No All Yes No AJ1 Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Baker et al., "Sequence and characterization of the gcpE, gene of Escherichia coli", FEMS Microbiol. Lett. 94:175-180 (1992) Bevan, "Binary Agrobacterium vectors for plant transformation", Nucleic Acids Research 12:8711-8720 AL 1 (1984)Duvold et al., "Incorporation of 2-C-Methyl-D-erythritol, a Putative Isoprenoid Precursor in the Mevalonate-Independent Pathway, into Ubiquinone and Menaquinone of Escherichia coli", Tetrahedron AM 1 Letters 38:6181-6184 (1997) Eisenreich et al., "The deoxyxylulose phosphate pathway of terpenoid biosynthesis in plants and ΑN 1 microorganisms" Chem. Bio. 5:R221-233 (1998) Elliott, "A Method for Constructing Single-Copy lac Fusions in Salmonella typhimurium and Its Application AO 1 to the hemA-prfA Operon" J. Bacteriol. 174:245-253 (1992) **EXAMINER** EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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